

CLAIMS

We claim:

1. An automated banking machine apparatus comprising:

a housing;

an opening in the housing, wherein deposit items are accepted into the housing through the opening;

a container within the housing, wherein the container has an interior area, and wherein in an operative position of the container the interior area is in operative connection with the opening such that deposit items passed into the housing through the opening are moveable into the interior area;

a moveable shaker member bounding the interior area of the container, wherein deposit items in the interior area are in supporting connection with the moveable shaker member;

an actuator in operative connection with the shaker member, wherein the actuator

is adapted to move the shaker member to cause shaking of deposit items in supporting connection therewith.

2. The apparatus according to claim 1 wherein the moveable shaker member comprises a resilient member.
3. The apparatus according to claim 2 wherein the moveable shaker member comprises a resilient membrane extending across a lower portion of the container.
4. The apparatus according to claim 1 wherein the container is removably mounted within the housing.
5. The apparatus according to claim 4 wherein the container further comprises at least one rollable support.
6. The apparatus according to claim 5 wherein the container further comprises a telescoping handle, wherein the telescoping handle is extendable when the container is moved outside of the housing and is adapted to move the container away from the housing with the container supported on the rollable support.
7. The apparatus according to claim 3 and further comprising a rigid plate extending

in underlying relation of the membrane, wherein the actuator operates to move the rigid plate.

8. The apparatus according to claim 7 wherein the container further comprises a bottom wall in underlying the membrane, and wherein the actuator extends in intermediate relation of the membrane and the bottom wall.

9. The apparatus according to claim 8 and further comprising at least one flexible support extending between the bottom wall and the plate.

10. The apparatus according to claim 3 wherein the container comprises an upper wall generally opposed of the bottom wall, the upper wall including an upper wall opening, wherein deposit items entering the interior area pass through the upper wall opening.

11. The apparatus according to claim 10 and further comprising a security plate extending in intermediate relation between the upper wall opening and the membrane.

12. The apparatus according to claim 11 and further comprising a horizontal transport adapted to move deposit items horizontally from the upper wall opening and above the security plate.

13. The apparatus according to claim 1 wherein the machine comprises a chest

portion, and wherein the container is removably positionable within the chest portion.

14. The apparatus according to claim 12 wherein the machine further includes a cash acceptor mechanism and a chest portion, wherein the container is removably mounted in the chest portion, and wherein the chest portion includes a cash accepting opening, and wherein the upper wall opening corresponds to the cash accepting opening in an operative position of the container, and wherein the cash acceptor mechanism is mounted in the machine outside and in supporting connection with the chest portion, and wherein the cash acceptor mechanism is adapted to receive notes through the opening in the housing, to determine genuine notes and to pass genuine notes to the interior area of the container through the cash accepting opening.

15. The apparatus according to claim 14 wherein the cash acceptor mechanism includes a driving member, and the horizontal transport is in operative connection with a driven member, and wherein in an operative position the driving member of the cash acceptor mechanism is operative to drive the horizontal transport.

16. The apparatus according to claim 15 wherein the driving member engages the driven member through the cash accepting opening in the chest portion.

17. The apparatus according to claim 14 wherein the cash acceptor mechanism is adapted to identify suspect notes, and wherein the machine includes a suspect note storage area

outside the chest portion, and wherein the cash acceptor mechanism is operative to cause suspect notes to be deposited in the suspect note storage area.

18. The apparatus according to claim 14 wherein the chest portion is generally L-shaped in cross section, and wherein the chest portion houses at least one cash dispenser mechanism, and wherein the cash acceptor mechanism and the cash dispenser mechanism are mounted in generally side-by-side relation.

19. The apparatus according to claim 18 wherein the chest portion includes a vertically extending wall intermediate of the cash acceptor mechanism and the cash dispenser mechanism, and wherein the cash acceptor mechanism is movably mounted in supporting connection with the chest portion in a direction parallel to the vertically extending wall.

20. The apparatus according to claim 19 and further comprising a user interface including at least one input device, and wherein the machine is operative to dispense cash through operation of the cash dispenser mechanism responsive to at least one input to the at least one input device.

21. The apparatus according to claim 20 wherein the container includes at least one rollable support and at least one telescoping handle.

22. An automated banking machine apparatus comprising:

- a) a housing;
- b) a user interface including at least one input device in supporting connection with the housing;
- c) a chest portion within the housing;
- d) a cash acceptor device within the housing, and outside and in supporting connection with the chest portion;
- e) a cash dispenser mechanism within the housing;
- f) a container removably mounted in the chest portion and adapted to receive cash from the cash acceptor device, wherein the container includes an interior area and a movable shaking member bounding the interior area, and an actuator in operative connection with the shaking member.

23. The apparatus according to claim 22 wherein the cash acceptor device is operative to determine if notes received into the housing are genuine, and to pass genuine notes into the interior area of the container through a cash accepting opening in the chest portion.

24. The apparatus according to claim 23 wherein the container includes an upper wall including an upper wall opening, and wherein the upper wall opening corresponds to the cash accepting opening in an operative position of the container within the chest portion, and wherein

the container includes a blocking plate disposed interiorly of the container, and a transport adapted to move notes that have entered the container through the upper wall opening horizontally to pass into the interior area below the blocking plate.

25. The apparatus according to claim 23 wherein the housing includes a suspect note storage area outside the chest portion, and wherein the cash acceptor device is operative to cause notes not determined to be genuine to be stored in the suspect note storage area.

26. The apparatus according to claim 24 wherein the cash acceptor device includes a driving member, and wherein the driving member is operative to drive the transport.

27. The apparatus according to claim 23 wherein the chest portion is generally L-shaped in cross section, and wherein the cash dispenser mechanism extends inside the chest portion.